

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/069008 A1

(51) International Patent Classification⁷:

G01N 33/68

(21) International Application Number:

PCT/EP2005/000301

(22) International Filing Date: 14 January 2005 (14.01.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/536,514 15 January 2004 (15.01.2004) US

(71) Applicant (*for all designated States except US*): **EVOTEC OAI AG [DE/DE]**; Schnackenburgallee 114, 22525 Hamburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **EBNETH, Andreas [DE/DE]**; Aschhooptwiete 30f, 25421 Pinneberg (DE). **NETZER, Rainer [DE/DE]**; Düsternwiete 47, 22549 Hamburg (DE). **HAHN, Ulrike [DE/DE]**; Schmiedesberg 20a, 21465 Reinbek (DE).

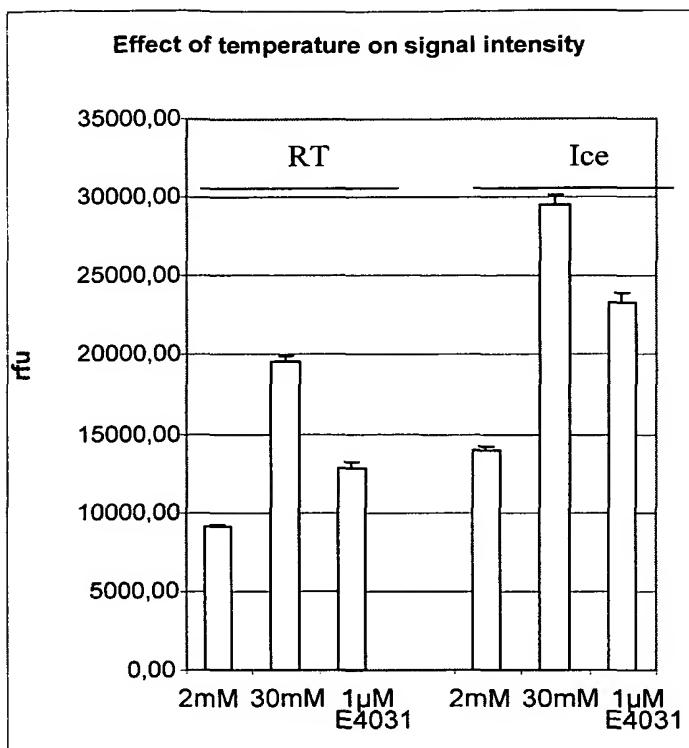
(74) Agents: **MEYERS, Hans-Wilhelm et al.**; Postfach 10 22 41, 50462 Köln (DE).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD FOR EXAMINING THE ACTIVITY OF ION CHANNELS



(57) Abstract: The present invention relates to a method for examining the activity of ion channels, comprising the following steps: - providing a sample comprising ion channels; and - determining a value of a measuring parameter as an indicator of the activity of the ion channels; characterized in that said determining of the value of the measuring parameter is performed at a temperature of \leq about 10 °C.

WO 2005/069008 A1



Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.